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LIMITED [GB/GB]; The Old Schools, Trinity Lane,
Cambridge CB2 1TS (GB).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): FRAY, Derek, John
[GB/GB]; 7 Woodlands Road, Great Shelford, Cambridge
CB2 5LS (GB). SCHWANDT, Carsten [DE/GB]; Dept of
Materials Science & Metallurgy, Pembroke Street, Cam-
bridge CB2 3QZ (GB).

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(74) Agents: GOODMAN, Simon, John, Nye et al.; Reddie &
Grose, 16 Theobalds Road, London WC1X 8PL (GB).

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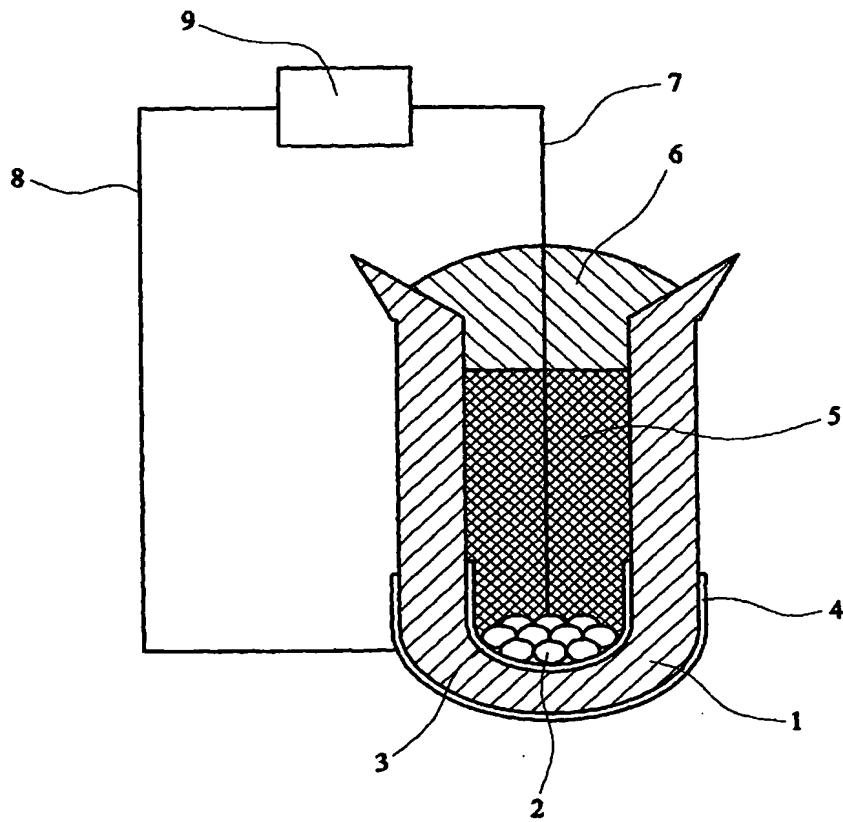
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(71) Applicant (for all designated States except US): CAM-
BRIDGE UNIVERSITY TECHNICAL SERVICES

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(54) Title: HYDROGEN SENSING APPARATUS AND METHOD



(57) Abstract: An apparatus is provided for the accurate determination of hydrogen contents in fluid media at elevated temperatures. The apparatus consists of a proton conducting solid electrolyte (1) in contact with an internal metal/hydrogen reference standard (2), in which the electrolyte and the reference material are in a chemically stable contact. The electrical signal generated is a function of the hydrogen concentration on the measuring side.

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